Title (en)

ELECTRONIC DEVICE, METHOD FOR CONTROLLING ELECTRONIC DEVICE, AND PROGRAM

Title (de)

ELEKTRONISCHE VORRICHTUNG, VERFAHREN ZUM STEUERN DER ELEKTRONISCHEN VORRICHTUNG UND PROGRAMM

Title (fr)

DISPOSITIF ÉLECTRONIQUE, PROCÉDÉ DE COMMANDE DE DISPOSITIF ÉLECTRONIQUE ET PROGRAMME

Publication

EP 3978947 A1 20220406 (EN)

Application

EP 20813603 A 20200512

Priority

- JP 2019100698 A 20190529
- JP 2020018945 W 20200512

Abstract (en)

An electronic device includes a transmission antenna that transmits a transmission wave, a reception antenna that receives a reflected wave that is the transmission wave having been reflected, and a control unit. The control unit detects a target by using a constant false alarm rate, based on a transmission signal transmitted as the transmission wave and a reception signal received as the reflected wave. The control unit establishes reference regions on a far side in a distance direction with respect to a test region in a distribution of signal intensities based on the reception signal in the distance direction, and sets a threshold for use in detection of the target, based on an order statistic among the signal intensities in the reference regions.

IPC 8 full level

G01S 7/32 (2006.01); **G01S 13/34** (2006.01); **G01S 13/931** (2020.01)

CPC (source: EP US)

G01S 7/2922 (2013.01 - EP); **G01S 7/354** (2013.01 - EP); **G01S 7/411** (2013.01 - US); **G01S 7/414** (2013.01 - EP); **G01S 13/08** (2013.01 - US); **G01S 13/343** (2013.01 - EP); **G01S 13/584** (2013.01 - EP); **G01S 13/931** (2013.01 - EP US)

Cited by

EP4266084A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 3978947 A1 20220406; **EP 3978947 A4 20230614**; CN 113785215 A 20211210; JP 7072723 B2 20220520; JP WO2020241233 A1 20201203; US 2022221567 A1 20220714; WO 2020241233 A1 20201203

DOCDB simple family (application)

EP 20813603 A 20200512; CN 202080033873 A 20200512; JP 2020018945 W 20200512; JP 2021522175 A 20200512; US 202017595127 A 20200512